

# BHORUKA POWER CORPORATION LIMITED, DADUPUR

## FIXED ASSETS PHYSICAL VERIFICATION YEAR 2022-23

UNIT #1						
S.NO	Code	Description	Location	Physical Verification	Deptt.	Remarks
1	DDP/M/E/525	Head Regulator Gate	Power House	✓	Mech	Common to all
2	DDP/M/E/526	Coarse Trash Rack	Power House	✓	Mech	Common to all
3	DDP/M/E/527	Fine Trash rack	Forebay	✓	Mech	Common to all
4	DDP/M/E/528/1-1	Stop-log gate & Service gate "Intake"	Stoplog, Service	✓	Mech	
5	DDP/M/E/528/2-1	Stop-log gate & Service gate "D.T."	Stoplog, Service	✓	Mech	
6	DDP/M/E/528/3	Stop-log gate & Service gate Barrage	Stoplog, Service	✓	Mech	
7	DDP/M/E/529-1	Anchor Frame	Turbine floor	✓	Mech	
8	DDP/M/E/530-1	Inlet Casing	Turbine floor	✓	Mech	
9	DDP/M/E/531-1	Guide Vane assembly	Turbine floor	✓	Mech	
10	DDP/M/E/532-1	Runner assembly	Turbine floor	✓	Mech	
11	DDP/M/E/533-1	Dt cone, bend & Tail Piece	Turbine floor	✓	Mech	
12	DDP/M/E/534-1	Turbine shaft and T-shaft seal assy.	Geneartor floor	✓	Mech	
13	DDP/M/E/535-1	Gear box	Geneartor floor	✓	Mech	
14	DDP/M/E/536-1	Gearbox to T- shaft Coupling	Geneartor floor	✓	Mech	
15	DDP/M/E/537-1	Oil header assy	Geneartor floor	✓	Mech	
16	DDP/M/E/538-1	Gear box lub oil system	Geneartor floor	✓	Mech	
17	DDP/M/E/539-1	Generator	Geneartor floor	✓	Mech	
18	DDP/M/E/540-1	Gearbox to gen coupling	Geneartor floor	✓	Mech	
19	DDP/M/E/541-1	Brake & Flywheel assembly	Geneartor floor	✓	Mech	For Unit 1&2 Generator
20	DDP/M/E/542-1	Cooling water system	Turbine floor	✓	Mech	
21	DDP/M/E/543	Drainage system	Turbine floor	✓	Mech	Common to all
22	DDP/M/E/544-1	Oil pumping unit & Nitrogen cylinder	Turbine floor	✓	Mech	
23	DDP/M/E/545	EOT Crane	Power house	✓	Mech	Common to all
24	DDP/M/E/546	D.G.Set	D.G.Room	✓	Mech	Common to all
25	DDP/M/E/547	Monorail of "Intake", DT, Barrage Gate	Monorail	✓	Mech	Consist (528/1, 2, 3)
26	DDP/M/E/548-1	Dewatering System	Dewatering Sump	✓	Mech	
27	DDP/M/E/549-1	Thorden Bearing & Stub Shaft Assly	Turbine floor	✓	Mech	
28	DDP/M/E/550	Mini Air Compressor Type:2130 TC 2	Service Bay 'A' Row	✓	Mech	Common to all





29	DDP/M/E/551	Leakage oil Transfer Unit 1 Hp motor with pump	Turbine floor	✓	Mech	Common to all
30	DDP/M/E/552	Ferrocure Filtration Machine Kleentek Ferrocure	Thrust Block	✓	Mech	Common to all
31	DDP/M/E/553	Ferrocure De Low Vacuum Dehydration Machine	Thrust Block	✓	Mech	Common to all
32	DDP/M/E/554	Technical Water System	A' Row Wall F/R Side	✓	Mech	Common to all
33	DDP/M/E/555	Grab Bucket 1.0 Cum Make Prompt Mech Inst.	F/L Side Retaining Wall	✓	Mech	Silt Removal Purpose
34	DDP/M/E/556	Electrical Chain Pulley Block Hoisting Type	Coarse Trash rack	✓	Mech	Common to all

Unit # 2

35	DDP/M/E/525	Head Regulator Gate	Power House	✓	Mech	Common to all
36	DDP/M/E/526	Coarse Trash Rack	Power House	✓	Mech	Common to all
37	DDP/M/E/527	Fine Trash rack	Forebay	✓	Mech	Common to all
38	DDP/M/E/528/1-2	Stop-log gate & Service gate "Intake"	Stoplog, Service	✓	Mech	
39	DDP/M/E/528/2-2	Stop-log gate & Service gate "D.T."	Stoplog, Service	✓	Mech	
40	DDP/M/E/528/3	Stop-log gate & Service gate Barrage	Stoplog, Service	✓	Mech	
41	DDP/M/E/529-2	Anchor Frame	Turbine floor	✓	Mech	
42	DDP/M/E/530-2	Inlet Casing	Turbine floor	✓	Mech	
43	DDP/M/E/531-2	Guide Vane assembly	Turbine floor	✓	Mech	
44	DDP/M/E/532-2	Runner assembly	Turbine floor	✓	Mech	
45	DDP/M/E/533-2	Dt cone, bend & Tail Piece	Turbine floor	✓	Mech	
46	DDP/M/E/534-2	Turbine shaft and T-shaft seal assy.	Generator floor	✓	Mech	
47	DDP/M/E/535-2	Gear box	Generator floor	✓	Mech	
48	DDP/M/E/536-2	Gearbox to T- shaft Coupling	Generator floor	✓	Mech	
49	DDP/M/E/537-2	Oil header assy	Generator floor	✓	Mech	
50	DDP/M/E/538-2	Gear box lub oil system	Generator floor	✓	Mech	
51	DDP/M/E/539-2	Generator	Generator floor	✓	Mech	
52	DDP/M/E/540-2	Gearbox to gen coupling	Generator floor	✓	Mech	
53	DDP/M/E/541-2	Brake & Flywheel assembly	Generator floor	✓	Mech	For Unit 1&2 Generator
54	DDP/M/E/542-2	Cooling water system	Turbine floor	✓	Mech	
55	DDP/M/E/543	Drainage system	Turbine floor	✓	Mech	Common to all
56	DDP/M/E/544-2	Oil pumping unit & Nitrogen cylinder	Turbine floor	✓	Mech	
57	DDP/M/E/545	EOT Crane	Power house		Mech	Common to all
58	DDP/M/E/546	D.G.Set	D.G.Room		Mech	Common to all
59	DDP/M/E/547	Monorail of "Intake", DT, Barrage Gate	Monorail		Mech	Consist (528/1, 2, 3)
60	DDP/M/E/548-2	Dewatering System	Dewatering Sump		Mech	
61	DDP/M/E/549-2	Thorden Bearing & Stub Shaft Assly	Turbine floor		Mech	





Unit #3						
62	DDP/M/E/525	Head Regulator Gate	Power House	✓	Mech	Common to all
63	DDP/M/E/526	Coarse Trash Rack	Power House	✓	Mech	Common to all
64	DDP/M/E/527	FineTrash rack	Forebay	✓	Mech	Common to all
65	DDP/M/E/528/1-3	Stop-log gate & Service gate "Intake"	Stoplog,Service	✓	Mech	
66	DDP/M/E/528/2-3	Stop-log gate & Service gate "D.T."	Stoplog,Service	✓	Mech	
67	DDP/M/E/528/3	Stop-log gate & Service gate Barrage	Stoplog,Service	✓	Mech	
68	DDP/M/E/529-3	Anchor Frame	Turbine floor	✓	Mech	
69	DDP/M/E/530-3	Inlet Casing	Turbine floor	✓	Mech	
70	DDP/M/E/531-3	Guide Vane assembly	Turbine floor	✓	Mech	
71	DDP/M/E/532-3	Runner assembly	Turbine floor	✓	Mech	
72	DDP/M/E/533-3	Dt cone, bend & Tail Piece	Turbine floor	✓	Mech	
73	DDP/M/E/534-3	Turbine shaft and T-shaft seal assy.	Geneartor floor	✓	Mech	
74	DDP/M/E/535-3	Gear box	Geneartor floor	✓	Mech	
75	DDP/M/E/536-3	Gearbox to T- shaft Coupling	Geneartor floor	✓	Mech	
76	DDP/M/E/537-3	Oil header assy	Geneartor floor	✓	Mech	
77	DDP/M/E/538-3	Gear box lub oil system	Geneartor floor	✓	Mech	
78	DDP/M/E/539-3	Generator	Geneartor floor	✓	Mech	
79	DDP/M/E/540-3	Gearbox to gen coupling	Geneartor floor	✓	Mech	
80	DDP/M/E/541-3	Brake & Flywheel assembly	Geneartor floor	✓	Mech	
81	DDP/M/E/542-3	Cooling water system	Turbine floor	✓	Mech	
82	DDP/M/E/543	Drainage system	Turbine floor	✓	Mech	Common to all
83	DDP/M/E/544-3	Oil pumping unit & Nitrogen cylinder	Turbine floor	✓	Mech	
84	DDP/M/E/545	EOT Crane	Power house	✓	Mech	Common to all
85	DDP/M/E/546	D.G.Set	D.G.Room	✓	Mech	
86	DDP/M/E/547	Monorail of "Intake", DT,Barrage Gate	Monorail	✓	Mech	Consist (528/1, 2, 3)
87	DDP/M/E/548-3	Dewatering System	Dewatering Sump	✓	Mech	
88	DDP/M/E/549-3	Thorden Bearing & Stub Shaft Assly	Turbine floor	✓	Mech	
Unit # 4						
89	DDP/M/E/525	Head Regulator Gate	Power House	✓	Mech	Common to all
90	DDP/M/E/526	Coarse Trash Rack	Power House	✓	Mech	Common to all
91	DDP/M/E/527	FineTrash rack	Forebay	✓	Mech	Common to all
92	DDP/M/E/528/1-4	Stop-log gate & Service gate "Intake"	Stoplog,Service	✓	Mech	
93	DDP/M/E/528/2-4	Stop-log gate & Service gate "D.T."	Stoplog,Service	✓	Mech	





94	DDP/M/E/528/3	Stop-log gate & Service gate Barrage	Stoplog,Service	✓	Mech	
95	DDP/M/E/529-4	Anchor Frame	Turbine floor	✓	Mech	
96	DDP/M/E/530-4	Inlet Casing	Turbine floor	✓	Mech	
97	DDP/M/E/531-4	Guide Vane assembly	Turbine floor	✓	Mech	
98	DDP/M/E/532-4	Runner assembly	Turbine floor	✓	Mech	
99	DDP/M/E/533-4	Dt cone, bend & Tail Piece	Turbine floor	✓	Mech	
100	DDP/M/E/534-4	Turbine shaft and T-shaft seal assy.	Geneartor floor	✓	Mech	
101	DDP/M/E/535-4	Gear box	Geneartor floor	✓	Mech	
102	DDP/M/E/536-4	Gearbox to T- shaft Coupling	Geneartor floor	✓	Mech	
103	DDP/M/E/537-4	Oil header assy	Geneartor floor	✓	Mech	
104	DDP/M/E/538-4	Gear box lub oil system	Geneartor floor	✓	Mech	
105	DDP/M/E/539-4	Generator	Geneartor floor	✓	Mech	
106	DDP/M/E/540-4	Gearbox to gen coupling	Geneartor floor	✓	Mech	
107	DDP/M/E/541-4	Brake & Flywheel assembly	Geneartor floor	✓	Mech	
108	DDP/M/E/542-4	Cooling water system	Turbine floor	✓	Mech	
109	DDP/M/E/543	Drainage system	Turbine floor	✓	Mech	Common to all
110	DDP/M/E/544-4	Oil pumping unit & Nitrogen cylinder	Turbine floor	✓	Mech	
111	DDP/M/E/545	EOT Crane	Power house	✓	Mech	Common to all
112	DDP/M/E/546	D.G.Set	D.G.Room	✓	Mech	Common to all
113	DDP/M/E/547	Monorail of "Intake", DT,Barrage Gate	Monorail	✓	Mech	Consist (528/1, 2, 3)
114	DDP/M/E/548-4	Dewatering System	Dewatering Sump	✓	Mech	
115	DDP/M/E/549-4	Thorden Bearing & Stub Shaft Assly	Turbine floor	✓	Mech	
117	DDP/M/E/550	Welding Machine without Rectifier	Service Bay	✓	Mech	
118	DDP/M/E/551	Portable Bench Grindeing M/C	Thrust Block	✓	Mech	
122	DDP/M/E/552	Chain Block 10 tonne	Service Bay	✓	Mech	
123	DDP/M/E/553	Chain Block 05 tonne	Service Bay	✓	Mech	
125	DDP/M/E/554	Submersible Pump 05 HP	Power House Premises	✓	Mech	Common to all

#### UNIT # 01

126	DDP/E/E/101	Generator	Generator floor	✓	Elect	
127	DDP/E/E/102	Exciter	Generator floor	✓	Elect	
128	DDP/E/E/103	NGT Panel	Generator floor	✓	Elect	
129	DDP/E/E/104	Excitation control panel	Control room	✓	Elect	
130	DDP/E/E/105	TG PLC & Governor panel	Control room	✓	Elect	
131	DDP/E/E/106	Generator control, protection & metering panel	Control room	✓	Elect	
132	DDP/E/E/107	CT & LAVT, Panel	Switch gear room	✓	Elect	





133	DDP/E/E/108	Generator Breaker panel	Switchgear room	✓	Elect	
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#### UNIT # 02

134	DDP/E/E/201	Generator	Generator floor	✓	Elect	
135	DDP/E/E/202	Exciter	Generator floor	✓	Elect	
136	DDP/E/E/203	NGT Panel	Generator floor	✓	Elect	
137	DDP/E/E/204	Excitation control panel	Control room	✓	Elect	
138	DDP/E/E/205	TG PLC & Governor panel	Control room	✓	Elect	
139	DDP/E/E/206	Generator control, protection & metering panel	Control room	✓	Elect	
140	DDP/E/E/207	CT & LAVT Panel	Switchgear room	✓	Elect	
141	DDP/E/E/208	Generator Breaker panel	Switchgear room	✓	Elect	

#### UNIT # 03

142	DDP/E/E/301	Generator	Generator floor	✓	Elect	
143	DDP/E/E/302	Exciter	Generator floor	✓	Elect	
144	DDP/E/E/303	NGT Panel	Generator floor	✓	Elect	
145	DDP/E/E/304	Excitation control panel	Control room	✓	Elect	
146	DDP/E/E/305	TG PLC & Governor panel	Control room	✓	Elect	
147	DDP/E/E/306	Generator control, protection & metering panel	Control room	✓	Elect	
148	DDP/E/E/307	CT & LAVT Panel	Switchgear room	✓	Elect	
149	DDP/E/E/308	Generator Breaker panel	Switchgear room	✓	Elect	

#### UNIT # 04

150	DDP/E/E/401	Generator	Generator floor	✓	Elect	
151	DDP/E/E/402	Exciter	Generator floor	✓	Elect	
152	DDP/E/E/403	NGT Panel	Generator floor	✓	Elect	
153	DDP/E/E/404	Excitation control panel	Control room	✓	Elect	
154	DDP/E/E/405	TG PLC & Governor panel	Control room	✓	Elect	
155	DDP/E/E/406	Generator control, protection & metering panel	Control room	✓	Elect	
156	DDP/E/E/407	CT & LAVT Panel	Switchgear room	✓	Elect	
157	DDP/E/E/408	Generator Breaker panel	Switchgear room	✓	Elect	
158	DDP/E/E/001	33KV Line control panel	Control room	✓	Elect	Common to all Elec
159	DDP/E/E/002	33kV Transformer control panel-01	Control room	✓	Elect	Common to all Elec
160	DDP/E/E/003	33kV Transformer control panel-02	Control room	✓	Elect	Common to all Elec
161	DDP/E/E/004	Battery chargers & DCDB	Control room	✓	Elect	Common to all Elec
162	DDP/E/E/005	LTAC Distribution board	Control room	✓	Elect	Common to all Elec
163	DDP/E/E/006	Bus Protection & Synchronising panel	Control room	✓	Elect	Common to all Elec





164	DDP/E/E/007	Centrallised Annunciation panel	Control room	✓	Elect	Common to all Elec
165	DDP/E/E/008	110V Battery bank	Battery room	✓	Elect	Common to all Elec
166	DDP/E/E/009	3.3kV Transformer breaker panel-01	Switch gear room	✓	Elect	Common to all Elec
167	DDP/E/E/010	3.3kV Transformer breaker panel-02	Switch gear room	✓	Elect	Common to all Elec
168	DDP/E/E/011	3.3kV Bus P.T Panel	Switch gear room	✓	Elect	Common to all Elec
169	DDP/E/E/012	3.3kV Load Break Switch-01	Switch gear room	✓	Elect	Common to all Elec
170	DDP/E/E/013	3.3kV Load Break Switch-02	Switch gear room	✓	Elect	Common to all Elec
171	DDP/E/E/014	33kV/3.3kV Grid Transformer-01 with LA's	Switch yard	✓	Elect	Common to all Elec
172	DDP/E/E/015	33kV/3.3kV Grid Transformer-02 with LA's	Switch yard	✓	Elect	Common to all Elec
173	DDP/E/E/016	3.3kV Auxiliary Transformer-01	Switch yard	✓	Elect	Common to all Elec
174	DDP/E/E/017	3.3kV Auxiliary Transformer-02	Switch yard	✓	Elect	Common to all Elec
175	DDP/E/E/018	33kV Line Breaker panel with CTs & PT	Switch yard	✓	Elect	Common to all Elec
176	DDP/E/E/019	33kV Transformer-01 Breaker panel with CTs	Switch yard	✓	Elect	
177	DDP/E/E/020	33kV Transformer-02 Breaker panel with CTs	Switch yard	✓	Elect	
178	DDP/E/E/021	Lightning Arrestors	Switch yard	✓	Elect	
179	DDP/E/E/022	33kV Line Bus Isolator Assembly	Switch yard	✓	Elect	
180	DDP/E/E/023	33kV Transformer-01 Isolator Assembly	Switch yard	✓	Elect	
181	DDP/E/E/024	33kV Transformer-02 Isolator Assembly	Switch yard	✓	Elect	
182	DDP/E/E/025	33kV BUS PTs	Switch yard	✓	Elect	
183	DDP/E/E/026	33kV Transmission Line	Switch yard	✓	Elect	
184	DDP/E/E/027	Ligting Distribution Board	Service Bay	✓	Elect	

#### Civil Structures

185	DDP/C/E/141	Over flow weir	Over flow weir	✓	Civil	
186	DDP/C/E/142	River sluice gate structure	River sluice gate structure	✓	Civil	
187	DDP/C/E/143	Power canal gate Peir	Power canal gate Peir	✓	Civil	
188	DDP/C/E/144	Power canel gate operator shed	Power canel gate operator shed	✓	Civil	
189	DDP/C/E/145	Power canal	Power canal	✓	Civil	
190	DDP/C/E/146	Fore bay	Fore bay	✓	Civil	
191	DDP/C/E/147	Intake Structure	Intake Structure	✓	Civil	
192	DDP/C/E/148	Power House	Power House	✓	Civil	
193	DDP/C/E/149	Control & Switch gear Room	Control & Switch gear Room	✓	Civil	
194	DDP/C/E/150	Toilet Room	Toilet Room	✓	Civil	
195	DDP/C/E/151	Draft tube & tail Pond	Draft tube & tail Pond	✓	Civil	
196	DDP/C/E/152	Tail Race canal	Tail Race canal	✓	Civil	





197	DDP/C/E/153	Retaining Wall	Retaining Wall	✓	Civil	
198	DDP/C/E/154	Switch yard	Switch yard	✓	Civil	
199	DDP/C/E/156	Bridge over nala	Bridge over nala	✓	Civil	
200	DDP/C/E/157	Drinking & Raw Water pipe line	Drinking & Raw Water pipe line	✓	Civil	
201	DDP/C/E/158	Stores	Stores	✓	Civil	
202	DDP/C/E/159	Compound Wall & barbed Wire Fencing	Compound Wall & barbed Wire Fencing	✓	Civil	
203	DDP/C/E/160	Waste Collection Pits	Power House	✓	Civil	

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